

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the subject application:

Listing of Claims:

1. (Currently Amended) A power distribution system for a computing system, comprising:
 - a plurality of power connectors configured to carry electrical power to electronics components of the computing system; and
 - a plurality of power distribution terminals, each terminal is connected to a group of at least one of the connectors, the terminals being selectively divisible into a first set of grouping combinations and a second set of grouping combinations different from the first set, each set of grouping combinations including all the terminals, each grouping combination within each set of grouping combinations corresponds to, subject to rounding, ~~approximately~~ the same number of power connectors, the terminals being configured to be connected to power supply circuits in accordance with the selected set of grouping combinations.
2. (Original) The power distribution system of claim 1, wherein the number of power connectors corresponding to each grouping combination within each set of grouping combinations differ by at most one.
3. (Currently Amended) The power distribution system of claim 1, wherein each group of the power connectors includes at least, subject to rounding, ~~approximately~~ 1/12 of the total number of power connectors.
4. (Currently Amended) The power distribution system of claim 1, wherein each group of the power connectors includes at most, subject to rounding, ~~approximately~~ 1/4 of the total number of power connectors.
5. (Currently Amended) The power distribution system of claim 1, wherein each group of the power connectors is selected from, subject to rounding, ~~approximately~~ 1/12, 1/6 and 1/4 of the total number of power connectors.

6. (Original) The power distribution system of claim 1, wherein each set of grouping combinations is selected from 2 grouping combinations, 3 grouping combinations and 4 grouping combinations.

7. (Currently Amended) The power distribution system of claim 1, wherein the first set of grouping combinations includes 2 grouping combinations, each grouping combination includes, subject to rounding, approximately 1/2 of the total number of power connectors and the second set of grouping combinations includes 3 grouping combinations, each grouping combination includes, subject to rounding, approximately 1/3 of the total number of power connectors.

8. (Currently Amended) The power distribution system of claim 1, wherein the power distribution terminals include 6 terminals, each of 2 of the terminals being connected to, subject to rounding, approximately 1/4 of the power connectors, each of another 2 of the terminals being connected to, subject to rounding, approximately 1/6 of the power connectors, and each of yet another 2 of the terminals being connected to, subject to rounding, approximately 1/12 of the power connectors.

9. (Currently Amended) The power distribution system of claim 1, wherein the power distribution terminals include 8 terminals, each of 4 of the terminals being connected to, subject to rounding, approximately 1/6 of the power connectors and each of another 4 of the terminals being connected to, subject to rounding, approximately 1/12 of the power connectors.

10. (Currently Amended) A method for distributing power among multiple electronics components of a computing system, comprising the steps of:

selecting one of a plurality of different sets of grouping combinations of power connectors, each set including all the power connectors for the multiple electronics components, each grouping combination within each set of grouping combinations corresponds to, subject to rounding, ~~approximately~~ the same number of power connectors; and

connecting each power distribution terminal of a plurality of power distribution terminals to a power supply circuit in accordance with the selected set of grouping combinations, the number of power supply circuits being equal to the number of grouping combinations in the selected set of grouping combinations, each terminal being connected to a corresponding group of power connectors.

11. (Original) The method of claim 10, wherein the number of power connectors corresponding to each grouping combination within each set of grouping combinations differ by at most one.

12. (Currently Amended) The method of claim 10, wherein each group of the power connectors includes at least, subject to rounding, ~~approximately~~ 1/12 of the total number of power connectors.

13. (Currently Amended) The method of claim 10, wherein each group of the power connectors includes at most, subject to rounding, ~~approximately~~ 1/4 of the total number of power connectors.

14. (Currently Amended) The method of claim 10, wherein each group of the power connectors is selected from, subject to rounding, ~~approximately~~ 1/12, 1/6 and 1/4 of the total number of power connectors.

15. (Original) The method of claim 10, wherein each set of grouping combinations is selected from 2 grouping combinations, 3 grouping combinations and 4 grouping combinations.

16. (Currently Amended) The method of claim 10, wherein at least one set of the grouping combinations includes 2 grouping combinations, each grouping combination includes, subject to rounding, approximately 1/2 of the total number of power connectors and at least another set of the grouping combinations includes 3 grouping combinations, each grouping combination includes, subject to rounding, approximately 1/3 of the total number of power connectors.

17. (Currently Amended) The method of claim 10, wherein the power distribution terminals include 6 terminals, each of 2 of the terminals being connected to, subject to rounding, approximately 1/4 of the power connectors, each of another 2 of the terminals being connected to, subject to rounding, approximately 1/6 of the power connectors, and each of yet another 2 of the terminals being connected to, subject to rounding, approximately 1/12 of the power connectors.

18. (Currently Amended) The method of claim 10, wherein the power distribution terminals include 8 terminals, each of 4 of the terminals being connected to, subject to rounding, approximately 1/6 of the power connectors and each of another 4 of the terminals being connected to, subject to rounding, approximately 1/12 of the power connectors.